

Title (en)

A method and system for controlling an engine

Title (de)

Verfahren und Vorrichtung zur Steuerung einer Brennkraftmaschine

Title (fr)

Méthode et système de commande d'un moteur

Publication

EP 1306531 B1 20080806 (EN)

Application

EP 02102352 A 20020911

Priority

US 68287801 A 20011029

Abstract (en)

[origin: US6543219B1] A method is described for controlling decontamination of an emission control device. Temperature of the emission control device is maintained at a desired temperature by operating some cylinders of the engine lean and others rich. These lean and rich mixtures react exothermically in the exhaust gas and in the emission control device to generate heat. Efficient contaminant removal is obtained by oscillating the mixture air-fuel ratio about stoichiometry. This oscillation is provided by adjusting the fuel provided to the rich cylinders, or by adjusting the air provided to the lean cylinders, thereby minimizing any torque disturbance corresponding to the oscillations in exhaust air-fuel ratio.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1477653A3; CN100449129C; FR2854659A1; DE112012006224B4; US7377273B2; WO2006129483A1

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US 2003079466 A1 20030501; **US 6543219 B1 20030408**; DE 60228036 D1 20080918; EP 1306531 A2 20030502; EP 1306531 A3 20060517; EP 1306531 B1 20080806; US 2003145579 A1 20030807; US 6799421 B2 20041005

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